

10989PFX Epic Liquid Gold

Wilflex Epic Liquid Gold is an opaque, vibrant metallic shine ink that can be used with both flat and high density graphics. Epic Liquid Gold is ready for use straight out of the container. Epic Liquid Gold has been specially formulated with non-phthalate plasticizers.

Highlights

- ▶ Compliant with CPSIA (Consumer Product Safety Improvement Act) 2008, Section 101, Lead Content in Substrates (<300 ppm lead); 16 CFR, Part 1303, Lead in Paint (<90 ppm lead); and CPSIA 2008, Section 108, Phthalates (<.1% DEHP, DBP, BBP, DINP, DIDP, DNOP).
- ▶ Eco-Passport Certified
- ▶ To be used exclusively with Epic non-phthalate ink.
- ▶ Super-shine metallic ink.
- ▶ Epic Liquid Gold can be printed on all colored fabrics with dark colored fabrics giving best results
- ▶ Inks can be used straight out of the container.
- ▶ Good elongation and stretch properties.

Printing Tips

- ▶ The ink can be used as a high density or flat ink, either on its own or over flash dried colors.
- ▶ Single print or print/flash/print can be used to apply ink to fabric.
- ▶ Best results using recommended mesh counts.
- ▶ For best results, evaluate the entire handling of garments that contain metallic inks including; printing, curing, stacking hot shirts and packaging of hot shirts, and handling where abrasion to the surface may occur.

Precautions

- ▶ Metallic inks reflect infrared heat and forced air dryer is recommended to achieve proper cure of the entire ink deposit.
- ▶ Metallic inks are very susceptible to abrasion of the ink surface. This may result in particles rubbing off, discoloration and/or dulling of the image—even if the ink is fully cured.
- ▶ Avoid contact between Epic Liquid Gold and other inks that have a sticky surface (hot or cold). Metallic flakes transfer onto sticky surfaces even if the ink is cured.
- ▶ For best results, follow guidelines for proper cure of entire ink film. Hand wash garments in cold water with a non-phosphate soap, such as Woolite. Avoid using a tumble dryer. Hang or air dry garments to avoid surface abrasion.
- ▶ Label garments with suggested wash instructions.
- ▶ Perform fusion tests before production. Failure to cure ink properly may result in poor wash fastness, inferior adhesion and unacceptable durability. Ink gel and cure temperatures should be measured using a Thermoprobe placed directly in the wet ink film and verified on the production run substrate(s) and production equipment. It is the responsibility of the printer to determine that the correct ink has been selected for a specific substrate and the application processes meet your customer's standards or specifications.
- ▶ Preprint and test all fabrics for dye migration.
- ▶ Stir plastisols before printing.
- ▶ Do not dry clean, bleach or iron printed area.
- ▶ **NON-CONTAMINATION OF EPIC INKS**
 - ▶ Do not add or mix non-Epic inks, additives or extenders with the Epic ink products.
 - ▶ All buckets, palette knives and stirring apparatus must be cleaned properly and free of phthalate containing inks. All squeegees, flood bars and screens must be cleaned properly to remove phthalate containing inks before printing Epic.
 - ▶ Non-phthalate emulsions and pallet adhesives must be used.
- ▶ Any application not referred in this product bulletin should be pre-tested or consultation sought with Wilflex Technical Services Department prior to printing.
- ▶ Email: techserviceswilflex@polyone.com

Related Products

- ▶ 10988PFX Epic Liquid Silver

Printing Parameters

Opacity	9	
Bleed Resistance	2	
Smooth Surface	9	
Flash	7	
Gloss	8	
Printability	9	



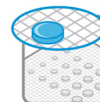
Fabric Types
100% Cotton, Cotton Blends



Mesh
Counts: 86-123 t/in (34-49 t/cm) recommended
Tension: 25-35 n/cm² recommended



Squeegee
Durometer: 60-70, 60/90/60
Edge: Square, sharp
Stroke: Medium-fast



Stencil non-phthalate
Direct: 2 over 2
Capillary/
thick film: Up to 400 micron
Off contact: 1/16" (.2 cm)



Gel/Cure Temperatures
Gel: 220°F (104°C)
Cure: 320-350°F (160-176°C)
Entire Film



Epic Pigment Loading
PCs: 10% max by weight
EQs: 10% max by weight
MX: n/a



Additives
Extender: None
Reducer: 3% max - 10025VB QEC
Viscosity Buster



Storage
65°-90°F (18°-32°C)
Avoid direct sun.
Use within one year of receipt.



Clean Up
Wilflex screen wash



Health & Safety
MSDS: www.polyone.com

www.wilflex.com/pib